

claws of said pair of claw-type magnetic poles, and field windings coiled radially inward of said plurality of claws; and

the opposing surfaces of said claws adjacent said permanent magnets are formed into substantially the same shape as the magnetic pole surfaces with which they are in contact, such that said claws are in contact with the whole of the magnetic pole surfaces of said permanent magnets.

7. (Twice Amended) A vehicular alternator comprising a rotor and a stator constituted by coiling stator windings over a stator core, wherein:

said rotor comprises a pair of claw-type magnetic poles arranged in an opposed relation, permanent magnets having rectangular lateral surfaces, which face in a circumferential direction of the rotor and form magnetic pole surfaces, disposed between and facing opposing surfaces of adjacent claws of said pair of claw-type magnetic poles, and field windings coiled radially inward of said plurality of claws;

said claws are tapered toward their tips, such that they have a substantially triangular shape in a section along an axial direction of the rotor;

an auxiliary magnetic pole plate is interposed between each of said plurality of claws and said permanent magnet; and

each auxiliary magnetic pole plate has substantially the same shape as a corresponding adjacent magnetic pole surface of said permanent magnet, so that said auxiliary magnetic pole plate is in contact with the whole of the magnetic pole surfaces of said permanent magnet.

(Applicant's Remarks are set forth hereinbelow, starting on the following page.)